Yoichi M A Yamada

List of Publications by Year
in descending order

93	5,550	76196	79541
papers	citations	40 h-index	73 g-index

133	133	133	4669
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Direct Catalytic Asymmetric Aldol Reactions of Aldehydes with Unmodified Ketones. Angewandte Chemie International Edition in English, 1997, 36, 1871-1873.	4.4	366
2	Direct Catalytic Asymmetric Aldol Reaction. Journal of the American Chemical Society, 1999, 121, 4168-4178.	6.6	366
3	Selfâ€Assembly of Heterobimetallic Complexes and Reactive Nucleophiles: A General Strategy for the Activation of Asymmetric Reactions Promoted by Heterobimetallic Catalysts. Chemistry - A European Journal, 1996, 2, 1368-1372.	1.7	226
4	Asymmetric Suzukiâ€“Miyaura Coupling in Water with a Chiral Palladium Catalyst Supported on an Amphiphilic Resin. Angewandte Chemie - International Edition, 2009, 48, 2708-2710.	7.2	223
5	Self-Assembled Poly(imidazole-palladium): Highly Active, Reusable Catalyst at Parts per Million to Parts per Billion Levels. Journal of the American Chemical Society, 2012, 134, 3190-3198.	6.6	218
6	Rationally designed transition metal hydroxide nanosheet arrays on graphene for artificial CO2 reduction. Nature Communications, 2020, 11, 5181.	5.8	205
7	A Nanoplatinum Catalyst for Aerobic Oxidation of Alcohols in Water. Angewandte Chemie - International Edition, 2007, 46, 704-706.	7.2	203
8	Amphiphilic Self-Assembled Polymeric Copper Catalyst to Parts per Million Levels: Click Chemistry. Journal of the American Chemical Society, 2012, 134, 9285-9290.	6.6	187
9	Efficient Baylisâ€“Hillman reactions promoted by mild cooperative catalysts and their application to catalytic asymmetric synthesis. Tetrahedron Letters, 2000, 41, 2165-2169.	0.7	174
10	Highly Active Catalyst for the Heterogeneous Suzukiâ^'Miyaura Reaction:Â Assembled Complex of Palladium and Non-Cross-Linked Amphiphilic Polymer. Journal of Organic Chemistry, 2003, 68, 7733-7741.	1.7	166
11	A Solid-Phase Self-Organized Catalyst of Nanopalladium with Main-Chain Viologen Polymers:â€‰Î±-Alkylation of Ketones with Primary Alcohols. Organic Letters, 2006, 8, 1375-1378.	2.4	160
12	Instantaneous Carbonâ^'Carbon Bond Formation Using a Microchannel Reactor with a Catalytic Membrane. Journal of the American Chemical Society, 2006, 128, 15994-15995.	6.6	154
13	Structural Revision and Total Synthesis of Azaspiracid-1, Part 2: Definition of the ABCD Domain and Total Synthesis. Angewandte Chemie - International Edition, 2004, 43, 4318-4324.	7.2	136
14	An Assembled Complex of Palladium and Non-Cross-linked Amphiphilic Polymer:â€‰ A Highly Active and Recyclable Catalyst for the Suzukiâ^'Miyaura Reaction. Organic Letters, 2002, 4, 3371-3374.	2.4	117
15	A Palladiumâ€Nanoparticle and Siliconâ€Nanowireâ€Array Hybrid: A Platform for Catalytic Heterogeneous Reactions. Angewandte Chemie - International Edition, 2014, 53, 127-131.	7.2	116
16	A Recyclable Catalytic System Based on a Temperature-Responsive Catalyst. Angewandte Chemie - International Edition, 2005, 44, 4536-4538.	7.2	107
17	Highly efficient iron(0) nanoparticle-catalyzed hydrogenation in water in flow. Green Chemistry, 2013, 15, 2141.	4.6	96
18	Structural Revision and Total Synthesis of Azaspiracid-1, Part 1: Intelligence Gathering and Tentative Proposal. Angewandte Chemie - International Edition, 2004, 43, 4312-4318.	7.2	95

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19	Total Synthesis and Structural Elucidation of Azaspiracid-1. Final Assignment and Total Synthesis of the Correct Structure of Azaspiracid-1. Journal of the American Chemical Society, 2006, 128, 2859-2872.	6.6	94
20	Direct catalytic asymmetric aldol reactions promoted by a novel barium complex. Tetrahedron Letters, 1998, 39, 5561-5564.	0.7	93
21	A Highly Active and Reusable Selfâ€Assembled Poly(Imidazole/Palladium) Catalyst: Allylic Arylation/Alkenylation. Angewandte Chemie - International Edition, 2011, 50, 9437-9441.	7.2	90
22	CO ₂ reduction driven by a pH gradient. Proceedings of the National Academy of Sciences of the United States of America, 2020, 117, 22873-22879.	3.3	84
23	Development of a convoluted polymeric nanopalladium catalyst: Î±-alkylation of ketones and ring-opening alkylation of cyclic 1,3-diketones with primary alcohols. Tetrahedron, 2007, 63, 8492-8498.	1.0	83
24	Novel 3D Coordination Palladiumâ^'Network Complex:â€‰ A Recyclable Catalyst for Suzukiâ^'Miyaura Reactionâ€. Organic Letters, 2006, 8, 4259-4262.	2.4	78
25	Syntheses of (S)-(â^')-pindolol and [3â€²-13C]-(R)-(â^')-pindolol utilizing a lanthanum-lithium-(R)-BINOL ((R)-LLB) catalyzed nitroaldol reaction. Tetrahedron, 1994, 50, 12313-12318.	1.0	74
26	Assembled catalyst of palladium and non-cross-linked amphiphilic polymer ligand for the efficient heterogeneous Heck reaction. Tetrahedron, 2004, 60, 4097-4105.	1.0	72
27	In-Water Dehydrative Alkylation of Ammonia and Amines with Alcohols by a Polymeric Bimetallic Catalyst. Organic Letters, 2011, 13, 3892-3895.	2.4	70
28	Direct Dehydrative Esterification of Alcohols and Carboxylic Acids with a Macroporous Polymeric Acid Catalyst. Organic Letters, 2013, 15, 5798-5801.	2.4	63
29	Development of a New Triphase Catalyst and Its Application to the Epoxidation of Allylic Alcohols. Organic Letters, 2001, 3, 1837-1840.	2.4	62
30	Oxidation of allylic alcohols, amines, and sulfides mediated by assembled triphase catalyst of phosphotungstate and non-cross-linked amphiphilic copolymer. Tetrahedron, 2004, 60, 4087-4096.	1.0	60
31	Recent Advances in Continuousâ€Flow Enantioselective Catalysis. Chemistry - A European Journal, 2020, 26, 5729-5747.	1.7	57
32	Catalytic membrane-installed microchannel reactors for one-second allylic arylation. Chemical Communications, 2009, , 5594.	2.2	56
33	Palladium Membraneâ€Installed Microchannel Devices for Instantaneous Suzukiâ€“Miyaura Crossâ€Coupling. Chemistry - A European Journal, 2010, 16, 11311-11319.	1.7	53
34	An efficient heterogeneous Heck reaction promoted by a new assembled catalyst of palladium and non-cross-linked amphiphilic polymer. Tetrahedron Letters, 2003, 44, 2379-2382.	0.7	52
35	Catalytic Asymmetric Synthesis of Arbutamine. Heterocycles, 1997, 46, 157.	0.4	50
36	The first tandem inter-intramolecular catalytic asymmetric nitroaldol reaction utilizing a LnLi3tris((R)-binaphthoxide) complex ((R)-LnLB) (Ln: Lanthanoid). Tetrahedron Letters, 1997, 38, 6031-6034.	0.7	49

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37	Development of an amphiphilic resinâ€dispersion of nanopalladium and nanoplatinum catalysts: Design, preparation, and their use in green organic transformations. Chemical Record, 2009, 9, 51-65.	2.9	49
38	Supramolecular Scaffold for Tailoring the Two-Dimensional Assembly of Functional Molecular Units into Organic Thin Films. Journal of the American Chemical Society, 2016, 138, 11727-11733.	6.6	48
39	H₂O₂-Oxidation of Alcohols Promoted by Polymeric Phosphotungstate Catalysts. Organic Letters, 2010, 12, 4540-4543.	2.4	44
40	Self-Assembled Complexes of Non-cross-linked Amphiphilic Polymeric Ligands with Inorganic Species: Highly Active and Reusable Solid-Phase Polymeric Catalysts. Chemical and Pharmaceutical Bulletin, 2005, 53, 723-739.	0.6	37
41	Assembled catalysts of titanium and non-cross-linked chiral copolymers for an enantioselective carbonyl-ene reaction. Tetrahedron Letters, 2002, 43, 3431-3434.	0.7	36
42	Second-Generation Total Synthesis of Azaspiracids-1, -2, and -3. Chemistry - an Asian Journal, 2006, 1, 245-263.	1.7	36
43	Tightly Convoluted Polymeric Phosphotungstate Catalyst:â€‰ An Oxidative Cyclization of Alkenols and Alkenoic Acids. Organic Letters, 2007, 9, 1501-1504.	2.4	36
44	Polymeric Bimetallic Catalyst-Promoted In-Water Dehydrative Alkylation of Ammonia and Amines with Alcohols. Synthesis, 2013, 45, 2093-2100.	1.2	34
45	Synthesis and Catalytic Applications of a Triptycene-Based Monophosphine Ligand for Palladium-Mediated Organic Transformations. ACS Omega, 2017, 2, 1930-1937.	1.6	29
46	An Amphiphilic Resinâ€dispersion of Nanoparticles of Platinum (ARPâ€Pt): A Highly Active and Recyclable Catalyst for the Aerobic Oxidation of a Variety of Alcohols in Water. Chemistry - an Asian Journal, 2009, 4, 1092-1098.	1.7	28
47	Transfer hydrogenation of alkenes using Ni/Ru/Pt/Au heteroquatermetallic nanoparticle catalysts: sequential cooperation of multiple nano-metal species. Chemical Communications, 2014, 50, 12123-12126.	2.2	27
48	In-Water and Neat Batch and Continuous-Flow Direct Esterification and Transesterification by a Porous Polymeric Acid Catalyst. Scientific Reports, 2016, 6, 25925.	1.6	26
49	Development of Polymeric Palladiumâ€Nanoparticle Membraneâ€Installed Microflow Devices and their Application in Hydrodehalogenation. ChemSusChem, 2012, 5, 293-299.	3.6	25
50	A Convoluted Polymeric Imidazole Palladium Catalyst: Structural Elucidation and Investigation of the Driving Force for the Efficient Mizorokiâ€“Heck Reaction. ChemCatChem, 2015, 7, 2141-2148.	1.8	24
51	Instantaneous Click Chemistry by a Copperâ€Containing Polymericâ€Membraneâ€Installed Microflow Catalytic Reactor. Chemistry - A European Journal, 2015, 21, 17269-17273.	1.7	23
52	Development of Multifunctional Asymmetric Catalysts and Their Application to Practical Organic Synthesis.. Yuki Gosei Kagaku Kyokaishi/Journal of Synthetic Organic Chemistry, 1998, 56, 344-356.	0.0	19
53	Photocatalytic Aerobic Oxidation of Alkenes into Epoxides or Chlorohydrins Promoted by a Polymerâ€Supported Decatungstate Catalyst. ChemPhotoChem, 2017, 1, 479-484.	1.5	19
54	Microfluidic Reactors for Carbon Fixation under Ambient-Pressure Alkaline-Hydrothermal-Vent Conditions. Life, 2019, 9, 16.	1.1	18

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55	Production of Bio Hydrofined Diesel, Jet Fuel, and Carbon Monoxide from Fatty Acids Using a Silicon Nanowire Array-Supported Rhodium Nanoparticle Catalyst under Microwave Conditions. ACS Catalysis, 2020, 10, 2148-2156.	5.5	18
56	A Convoluted Polyvinylpyridineâ€Palladium Catalyst for Suzukiâ€Miyaura Coupling and Câ”H Arylation. Advanced Synthesis and Catalysis, 2020, 362, 4687-4698.	2.1	18
57	Switching from Biaryl Formation to Amidation with Convoluted Polymeric Nickel Catalysis. ACS Catalysis, 2020, 10, 14410-14418.	5.5	17
58	Metallically gradated silicon nanowire and palladium nanoparticle composites as robust hydrogenation catalysts. Communications Chemistry, 2020, 3, .	2.0	16
59	Second-Generation meta-Phenolsulfonic Acidâ€“Formaldehyde Resin as a Catalyst for Continuous-Flow Esterification. Organic Letters, 2020, 22, 160-163.	2.4	15
60	Synthesis, Structure, and Complexation of an Sâ€Shaped Double Azahelicene with Innerâ€Edge Nitrogen Atoms. Chemistry - A European Journal, 2020, 26, 13170-13176.	1.7	15
61	Palladium-Catalyzed Asymmetric Suzukiâ€“Miyaura Cross Coupling with Homochiral Phosphine Ligands Having Tetrahydro-1H-imidazo[1,5-a]indole Backbone. Synthesis, 2016, 49, 59-68.	1.2	14
62	Zâ€bpy, a New C₂â€Symmetric Bipyridine Ligand and Its Application in Enantioselective Copper(I)â€Catalyzed Cyclopropanation of Olefins. Chinese Journal of Chemistry, 2019, 37, 807-810.	2.6	14
63	Self-Assembled Polymeric Pyridine Copper Catalysts for Huisgen Cycloaddition with Alkynes and Acetylene Gas: Application in Synthesis of Tazobactam. Organic Process Research and Development, 2019, 23, 493-498.	1.3	14
64	Activator-Promoted Aryl Halide-Dependent Chemoselective Buchwaldâ€“Hartwig and Suzukiâ€“Miyaura Type Cross-Coupling Reactions. Organic Letters, 2020, 22, 4797-4801.	2.4	14
65	Oxidative cyclization of alkenols with Oxone using a miniflow reactor. Beilstein Journal of Organic Chemistry, 2009, 5, 18.	1.3	12
66	Polymer-Supported-Cobalt-Catalyzed Regioselective Cyclotrimerization of Aryl Alkynes. Jacs Au, 2021, 1, 2080-2087.	3.6	12
67	Design of Experimental Conditions with Machine Learning for Collaborative Organic Synthesis Reactions Using Transition-Metal Catalysts. ACS Omega, 2021, 6, 27578-27586.	1.6	12
68	Driving an equilibrium acetalization to completion in the presence of water. RSC Advances, 2014, 4, 36864-36867.	1.7	10
69	Development of Polymeric Metal Catalysts via Molecular Convolution and of Catalytic Membrane-Installed Microflow Devices. Yuki Gosei Kagaku Kyokaishi/Journal of Synthetic Organic Chemistry, 2011, 69, 542-551.	0.0	10
70	Poly(meta-phenylene oxides) for the design of a tunable, efficient, and reusable catalytic platform. Chemical Communications, 2018, 54, 2878-2881.	2.2	9
71	Highly Active Copperâ€Network Catalyst for the Direct Aldol Reaction. Chemistry - an Asian Journal, 2011, 6, 2545-2549.	1.7	8
72	Bimetallic Coâ€“Pd alloy nanoparticles as magnetically recoverable catalysts for the aerobic oxidation of alcohols in water. Tetrahedron, 2014, 70, 6146-6149.	1.0	8

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73	Development of Batch and Flow Immobilized Catalytic Systems with High Catalytic Activity and Reusability. Chemical and Pharmaceutical Bulletin, 2017, 65, 805-821.	0.6	8
74	Chemoselective Oxidation of Sulfides Promoted by a Tightly Convoluted Polypyridinium Phosphotungstate Catalyst with H2. Bulletin of the Korean Chemical Society, 2010, 31, 547-548.	1.0	8
75	Development of Tightly Convoluted Polymeric Phosphotungstate Catalysts and Their Application to an Oxidative Cyclization of Alkenols and Alkenoic Acids. Heterocycles, 2008, 76, 645.	0.4	7
76	Catalytic Reductive Alkylation of Amines in Batch and Microflow Conditions Using a Silicon-Wafer-Based Palladium Nanocatalyst. ACS Omega, 2020, 5, 26938-26945.	1.6	6
77	Production of Valuable Esters from Oleic Acid with a Porous Polymeric Acid Catalyst without Water Removal. Synlett, 2015, 27, 29-32.	1.0	5
78	Highly Reusable and Active Nanometalâ^'Siliconâ€Nanowire Array Hybrid Catalysts for Hydrogenation. European Journal of Inorganic Chemistry, 2021, 2021, 708-712.	1.0	4
79	Microwave-assisted photooxidation of sulfoxides. Scientific Reports, 2021, 11, 20505.	1.6	4
80	Application of Heterogeneous Polymer-Supported Catalysts to Continuous Flow Systems. Yuki Gosei Kagaku Kyokaishi/Journal of Synthetic Organic Chemistry, 2016, 74, 621-630.	0.0	3
81	Huisgen Cycloaddition with Acetylene Gas by Using an Amphiphilic Self-Assembled Polymeric Copper Catalyst. Heterocycles, 2017, 95, 715.	0.4	2
82	Frontispiece: Recent Advances in Continuousâ€Flow Enantioselective Catalysis. Chemistry - A European Journal, 2020, 26, .	1.7	1
83	An Assembled Complex of Palladium and Non-Cross-Linked Amphiphilic Polymer: A Highly Active and Recyclable Catalyst for the Suzukiâ€"Miyaura Reaction.. ChemInform, 2003, 34, no.	0.1	0
84	An Efficient Heterogeneous Heck Reaction Promoted by a New Assembled Catalyst of Palladium and Non-Cross-Linked Amphiphilic Polymer.. ChemInform, 2003, 34, no.	0.1	0
85	Cover Picture: Structural Revision and Total Synthesis of Azaspiracid-1, Part 1: Intelligence Gathering and Tentative Proposal (Angew. Chem. Int. Ed. 33/2004). Angewandte Chemie - International Edition, 2004, 43, 4239-4239.	7.2	0
86	Highly Active Catalyst for the Heterogeneous Suzukiâ€"Miyaura Reaction: Assembled Complex of Palladium and Non-Cross-Linked Amphiphilic Polymer.. ChemInform, 2004, 35, no.	0.1	0
87	Assembled Catalyst of Palladium and Non-cross-linked Amphiphilic Polymer Ligand for the Efficient Heterogeneous Heck Reaction.. ChemInform, 2004, 35, no.	0.1	0
88	Oxidation of Allylic Alcohols, Amines, and Sulfides Mediated by Assembled Triphase Catalyst of Phosphotungstate and Non-cross-linked Amphiphilic Copolymer.. ChemInform, 2004, 35, no.	0.1	0
89	Self-Assembled Complexes of Non-Cross-linked Amphiphilic Polymeric Ligands with Inorganic Species: Highly Active and Reusable Solid-Phase Polymeric Catalysts. ChemInform, 2005, 36, no.	0.1	0
90	A Recyclable Catalytic System Based on a Temperature-Responsive Catalyst.. ChemInform, 2005, 36, no.	0.1	0

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91	Assembled Catalysts of Titanium and Non-Cross-Linked Chiral Copolymers for an Enantioselective Carbonyl-ene Reaction.. ChemInform, 2010, 33, 23-23.	0.1	0
92	Synthesis, Structure, and Complexation of an Sâ€Shaped Double Azahelicene with Innerâ€Edge Nitrogen Atoms. Chemistry - A European Journal, 2020, 26, 13107-13107.	1.7	0
93	Microwave-Assisted Hydrogen-Free Reductive Deiodination of Iodoarenes with Silicon-Nanoarray Palladium-Nanoparticle Catalyst. Synlett, 0, , .	1.0	0